

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 852.00

Revision Date: June 30, 2015

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Xylenes

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 3). Flammable liquid and vapor (H226). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).

Hazard class: Acute toxicity, oral (Category 5). May be harmful if swallowed (H303).

Hazard class: Acute toxicity, dermal (Category 4). Harmful in contact with skin (H312).

Hazard class: Skin irritation (Category 2). Causes skin irritation (H315).

Hazard class: Acute toxicity, inhalation (Category 4). Harmful if inhaled (H332).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Xylenes	1330-20-7	C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub>	106.17	
Synonym: Dimethylbenzenes				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

**If inhaled:** Call a POISON CENTER or physician if you feel unwell (P304+P312).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin (or hair):** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Class IC flammable liquid.

Flash point: 25 °C Flammable limits: Lower: 0.9% Upper: 7% Autoignition Temperature: 464 °C

**In case of fire:** Use a tri-class dry chemical fire extinguisher (P370+P378).

NFPA CODE

H-2

F-3

R-0

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Remove all ignition sources and ventilate area. Contain spill with sand or other inert absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #3. Store with hydrocarbons, oils, esters and aldehydes. Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor™ can. Keep container tightly closed (P233). Keep cool (P235). Use only in a hood or in a well-ventilated area. Use explosion-proof electrical and ventilating equipment (P241).

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or in a well-ventilated area.

Exposure guidelines: PEL/TLV 100 ppm (OSHA/ACGIH); STEL 150 ppm (ACGIH)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear liquid. Airplane glue odor.

Soluble: Alcohol and ether. Insoluble in water.

Mixture of ortho, meta and para isomers.

Boiling point: 137-144 °C

Specific gravity: 0.86

Vapor density: 3.7

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with oxidizing agents. Avoid contact with heat, open flame, or any sources of ignition.

Shelf life: Good, if kept tightly closed.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Irritant, lung irritation, chest pain and edema which may be fatal, GI disturbances.

Chronic effects: CNS depression, dermatitis, reproductive hazard.

Target organs: CNS, eyes, GI tract, blood, liver, kidneys, skin.

ORL-RAT LD<sub>50</sub>: 4300 mg/kg

IHL-RAT LC<sub>50</sub>: 5000 ppm/4H

SKN-RBT LD<sub>50</sub>: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #18b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Xylenes; Hazard class: 3, Flammable liquid; UN number: UN1307

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (215-535-7), RCRA code U239.

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**SECTION 16 — OTHER INFORMATION**

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

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